

WHAT IS CLAIMED IS:

1. A system for detecting a milk surge in a mother's breast, the system having a breast pump with a breast shield for expressing milk from the breast, at least one collecting container, for receiving the milk expressed, and a unit by means of
5 which a quantity of milk received in the at least one collecting container is determined as a function of time.
2. The system as claimed in claim 1, wherein the unit has a measuring means, for measuring the quantity of milk located in the at least one collecting container,
10 and an evaluating means by means of which the quantity of milk measured is evaluated as a function of time.
3. The system as claimed in claim 2, wherein the measuring means is a balance.
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4. The system as claimed in claim 3, wherein the balance is an electromechanical balance with a bearing surface for the at least one collecting container.
- 20 5. The system as claimed in claim 2, wherein the evaluating means is a computing system, in particular a computer.
6. The system as claimed in claim 1, wherein the at least one collecting container is connected to the breast shield via a connecting tube.
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7. The system as claimed in claim 1, wherein the system comprises several collecting containers being connected with said unit for determining the quantity of milk.
- 30 8. The system as claimed in claim 8 and claim 3, wherein said collecting containers are arranged system on said balance.

9. The system as claimed in claim 7 and claim 6, wherein the system comprises moving means for moving said connecting tube from one of said collecting containers to another of said collecting containers.

5 10. A process for detecting a milk surge in a mother's breast, milk being expressed from the breast into at least one collecting container, and the quantity of milk expressed being determined as a function of time.

11. The process as claimed in claim 10, wherein the weight of the quantity of
10 milk expressed is determined as a function of time.

12. The process as claimed in claim 10, wherein the change in weight of the quantity of milk expressed is determined as a function of time.

15 13. The process as claimed in claim 10, wherein, in order to express the milk, use is made of a breast pump with a breast shield, and wherein the milk expressed is directed from the breast shield into the at least one collecting container via a connecting tube.

20 14. The process as claimed in claim 10, wherein the milk is collected in several collecting containers, wherein the collecting containers are filled one after the other dependent on a predetermined event.

15. The process as claimed in claim 14, wherein the predetermined event is the
25 arrival of a set time point.

16. Use of a breast pump for detecting a milk surge in a mother's breast, milk being expressed from the breast into at least one collecting container by means of the breast pump, and the quantity of milk expressed being determined as a function
30 of time.